

SAFETY DATA SHEET

ARROPOL 36 POLYESTER POLYOL

1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|---------------------------------|---------------------------------|
| CHEMICAL FAMILY | Aromatic Polyester Polyol |
| RECOMMENDED USE | Research and Development Sample |
| RECOMMENDED RESTRICTIONS | For industrial use only |

MANUFACTURER

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2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Eye Irritation, Category 2B

GHS LABEL

Health



Exclamation mark

SIGNAL WORD: WARNING**HAZARD STATEMENTS**

H320: Causes eye irritation

PRECAUTIONARY STATEMENTS**Prevention:**

P264: Wash hands thoroughly after handling.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

Storage:

P233: Keep container tightly closed

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation

SKIN: Minimal skin irritation may occur with exposure to a large amount of material.

INGESTION: Swallowing this product may cause gastrointestinal irritation, diarrhea, nausea and vomiting.

ROUTES OF ENTRY: Eyes, Skin, Inhalation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

| Chemical name | CAS number | % |
|------------------|------------|--------|
| Polyester Polyol | | 90-100 |

4. FIRST AID MEASURES

EYES: Flush with plenty of water. Washing within one minute is essential to achieve maximum effectiveness. Get medical attention if irritation develops and persist.

SKIN: Wash exposed area with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention if irritation develops and persist.

INGESTION: Rinse mouth. Get medical attention if symptoms occur.

SINGS AND SYMPTOMS OF OVEREXPOSURE

EYES: Eye irritation.

SKIN: Skin irritation.

INGESTION: May cause nausea.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water fog, dry chemical, carbon dioxide (CO₂).

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide and hydrocarbons.

FIRE FIGHTING PROCEDURES: Use water spay to cool exposed containers.

FIRE FIGHTING EQUIPMENT: Firefighters should be equipped with self-contained breathing apparatus when fighting chemical fires.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Soak up with absorbent medium and transfer into suitable container.

LARGE SPILL: Wear appropriate personal protective equipment. Contain spill and pump into suitable disposal container.

GENERAL PROCEDURES: Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

SPECIAL PROTECTIVE EQUIPMENT: Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Handle with due care to avoid personal contact.

HANDLING: Handling and processing operations should be conducted in accordance with 'best practices'. Avoid contact with eyes. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

STORAGE: Store in original tightly closed container.

STORAGE TEMPERATURE: Normal temperature and conditions of warehouse.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local ventilation recommended, mechanical ventilation may be used.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

SKIN: Wear nitrile gloves.

RESPIRATORY: None normally required.

PROTECTIVE CLOTHING: Use clothing necessary to prevent contact.

WORKING HYGIENIC PRACTICES: Good housekeeping practices should include making sure all containers are kept closed and properly stored.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------|---|
| PHYSICAL STATE: | Liquid |
| ODOR: | Mild |
| APPEARANCE: | Viscous Liquid |
| COLOR: | Dark |
| pH: | Not Available |
| FLASH POINT: | Greater than 257°F (125°C) (for similar products) |
| EVAPORATION RATE: | Not Available |
| VAPOR PRESSURE: | Not Available |
| VAPOR DENSITY: | Not Available |
| BOILING POINT: | >446°F (>230°C) (for similar products) |
| FREEZING POINT: | Not Available |
| MELTING POINT: | Not Available |
| SOLUBILITY IN WATER: | Partially Soluble |
| DENSITY: | 10-10.4 (lb/U. S. gal) |

10. STABILITY AND REACTIVITY

REACTIVITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal use conditions.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: May cause irritation.

SKIN EFFECTS: No adverse effects due to skin contact are expected.

INGESTION: Expected to be a low ingestion hazard.

CARCINOGENICITY

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by OSHA.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by ACGIH.

NEUROTOXICITY: No data available.

GENETIC EFFECTS: No data available.

REPRODUCTIVE EFFECTS: No data available.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

ENVIRONMENTAL DATA: No data available.

BIOACCUMULATION/ACCUMULATION: No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: All recovered material should be packed, labeled, transported and disposed or reclaimed in conformance with applicable law and regulations.

EMPTY CONTAINER: Follow all SDS/label precautions even after container is emptied because it may retain product residues.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Dangerous goods.

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not Dangerous goods.

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Not Dangerous goods.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard – NO

Delayed Hazard – NO

Fire Hazard – NO

Pressure Hazard – NO

Reactivity Hazard – NO

SARA 302 Extremely Hazardous Substance

Not listed.

SARA 311/312 Hazardous Chemical

Acute.

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US-Pennsylvania RTK – Hazardous Substances: Listed substance

Not listed

US. California Controlled Substances. CA Department of Justice (California Health and

Safety Code Section 11100)

Not listed.

US. Massachusetts RTK – Substance List

Not regulated

US. Pennsylvania Worker and Community Right-to-know Law

Not regulated

US. Rhode Island RTK

Not regulated

US. California Proposition 65

Not listed

CARCINOGEN

None

16. OTHER INFORMATION

ISSUE DATE: 5/12/2016

LAST UPDATE: 11/18/2017

| HMIS RATING | |
|---------------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | B |

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